


PRESENTING CLINICAL SIGNS
DATE

12/15/21

History: Grade 3-4/6 murmur. Cardiomegaly on X-ray. Gagging cough that has been worsening over the past few months. No improvement with antibiotics. History of collapse. Started on pimobendan and benazepril.

PERFORMED BY:

Kelly Vazquez

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

INTERPRETED BY

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

Left atrial size is normal. The mitral valve appears normal, though trace mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. There is mild right atrial and right ventricular dilation. The tricuspid valve leaflets are thickened, and a moderate jet of tricuspid regurgitation is present. TR velocity is consistent with the presence of moderate pulmonary hypertension (PG 70 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

Gizmo Garcia

 LA - 20.9 mm
 LVIDd - 17.5 mm
 LVIDs - 8.8 mm
 FS - 49.7%
 RA - 22.7 mm
 LVOT - 1.13 m/s
 RVOT - 0.86 m/s
 TR - 4.20 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS
BREED

Chihuahua

 Degenerative tricuspid valve disease
 Pulmonary hypertension

SEX

MN

AGE

12 y

This examination demonstrates moderate regurgitation of blood across Gizmo's tricuspid valve resulting from degenerative valve disease. In addition, Gizmo's regurgitation velocity is consistent with the presence of moderate pulmonary hypertension. It's likely that Gizmo's pulmonary hypertension has developed secondary to the underlying cause of his cough, which, given the absence of left atrial enlargement, does not appear to be cardiogenic in origin. Gizmo's pulmonary hypertension is likely the cause of his collapsing episodes, and his disease also puts him at risk for the development of exercise intolerance and shortness of breath, while the combination of his pulmonary hypertension and tricuspid valve disease puts him at risk for the development of right-sided congestive heart failure.

Recommended therapy for Gizmo's pulmonary hypertension is sildenafil (10 mg BID-TID). Continued use of pimobendan and benazepril is also warranted based on this exam.

WEIGHT

11.4 lb

A recheck echocardiogram is recommended in 6 months.

HOSPITAL NAME

 Westwood Regional
 VH

REFERRING VET

Dr. Hartwick



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WEIGHT

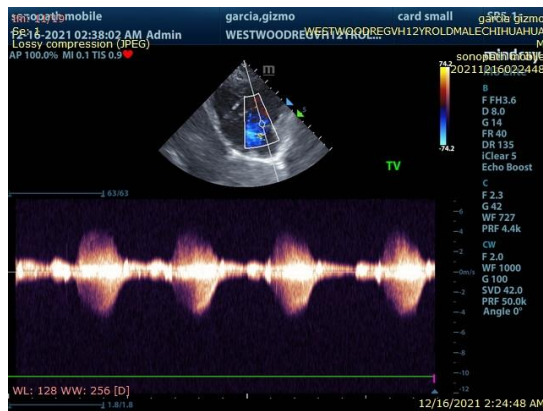
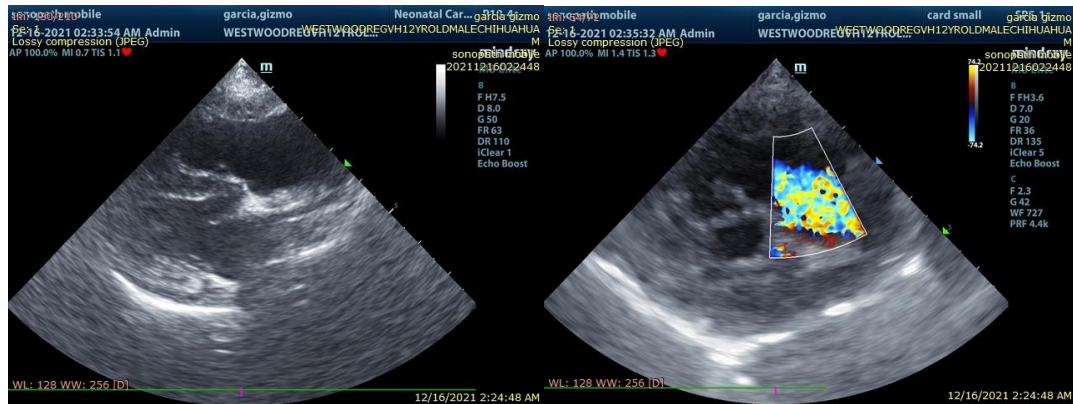
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Keith Blass, DVM, MS, DACVIM (Cardiology)

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